

## Patent Abstracts of Japan

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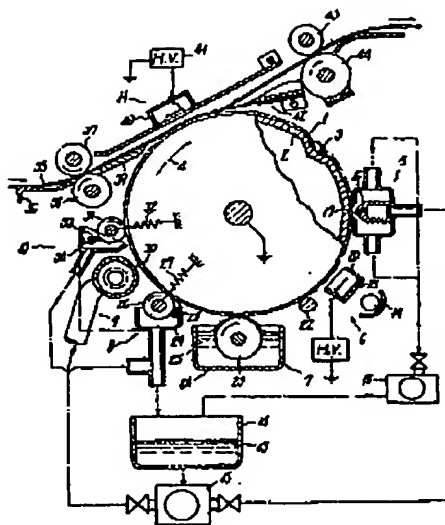
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APPLICANT : RICOH CO LTD;

INVENTOR : YAMAUCHI MASAYUKI;

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TITLE : ELECTROPHOTOGRAPHIC COPYING  
DEVICE



**ABSTRACT :** **PURPOSE:** To prevent dirt and pollution due to a developer by removing and storing the developer stuck unnecessarily to a photoconductive photosensitive body and guiding this developer to a developer flowout preventing vessel and storing it in a receiving member.

**CONSTITUTION:** A photosensitive drum 2 is turned in the direction of an arrow 4, and a cleaning device 5 provided around the drum 2 jets a cleaner liquid 13 in a cleaner liquid tank 14 from a slit jet hole 16 by a pump 15. The jetted cleaner liquid 13 is sucked forcibly by a suction hole 17 and is flowed back to the liquid tank 14 by a pump 18. An electrostatic latent image is formed by a lamp 19 and a corona discharger 20, and a developer 25 is sucked by a developing roll 23 to develop the image. A cleaner liquid sucking device 8 recovers the unnecessary liquid stuck in a developing part and feeds back it to the liquid tank 14. The cleaner liquid is jetted in a cleaner part 9 by a means 30 to sweep off the excess toner, and a sucking device 10 recovers the cleaner liquid stuck in the cleaner part and feeds back it to the liquid tank 14. Thus, dirt of the device and pollution of air due to the developer are prevented.

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